

[illegible]

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2 June 2004

Figure 1 illustrates the architecture of a Network Management System (NMS) 10. The system is divided into several functional blocks:

- Management Plane (Left):** Contains a **Processor** 24, a **Configure DB** 42, and a **Persistent Storage** 21. The Processor 24 is connected to the Configure DB 42 and the Persistent Storage 21. It also interfaces with a **Network Management System (NMS)** 60, which includes an **NMS DB** 61 and an **NMS** 62. A **Network** 41 is connected to the Processor 24.
- Network Plane (Right):** Shows a network topology with multiple **Network Service (NS)** nodes (220a, 220b, 220c, 220n) and **ATM** nodes (224a, 224b, 224n). The NS nodes are interconnected via a mesh topology. The ATM nodes are connected to the NS nodes. A **DD** (Data Distribution) node 222 is connected to the NS nodes. A **SEM** (Service Element Manager) node 96a is connected to the DD node 222. A **44a** interface is shown connecting the DD node 222 to an external network.

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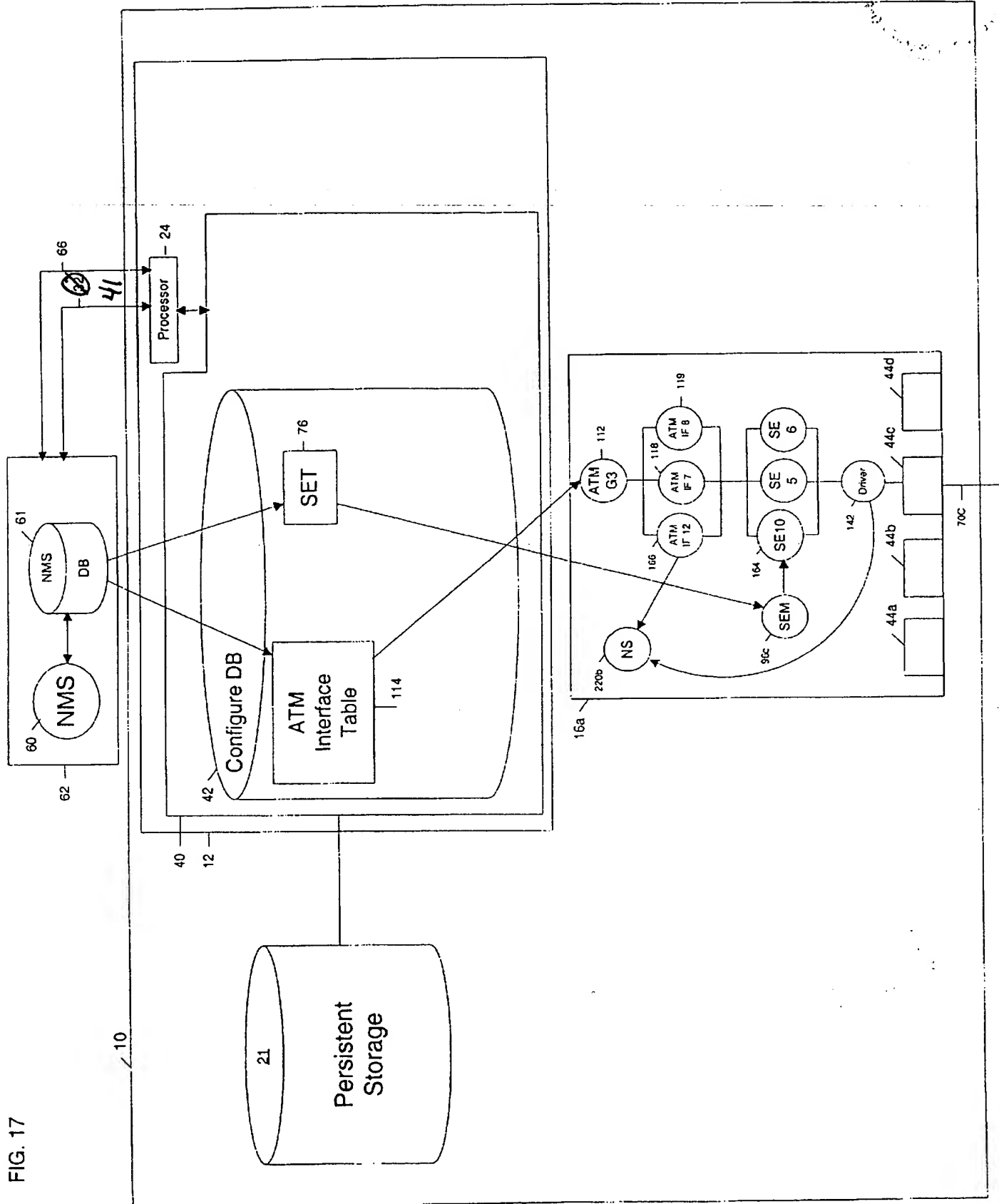


FIG. 18

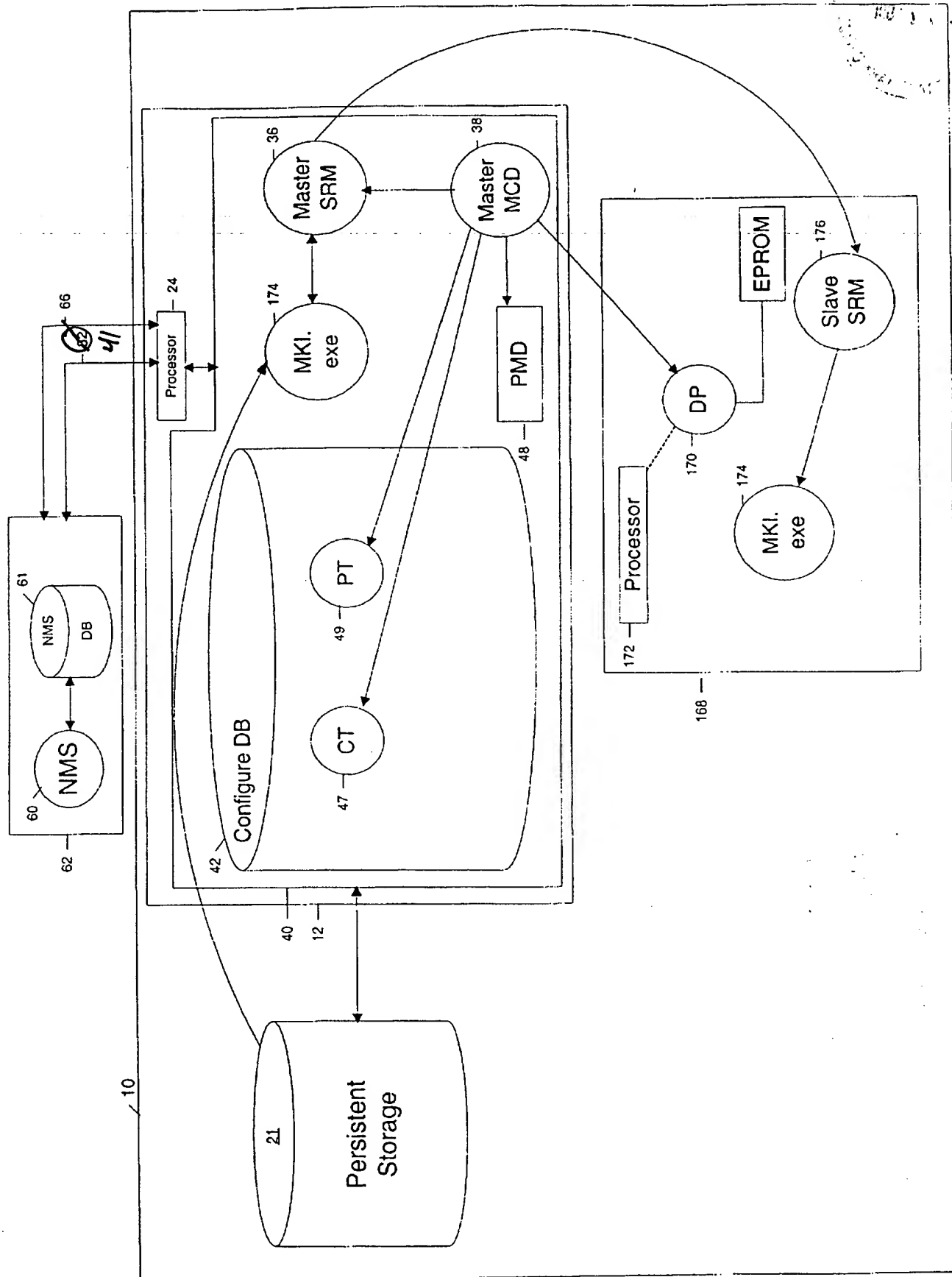
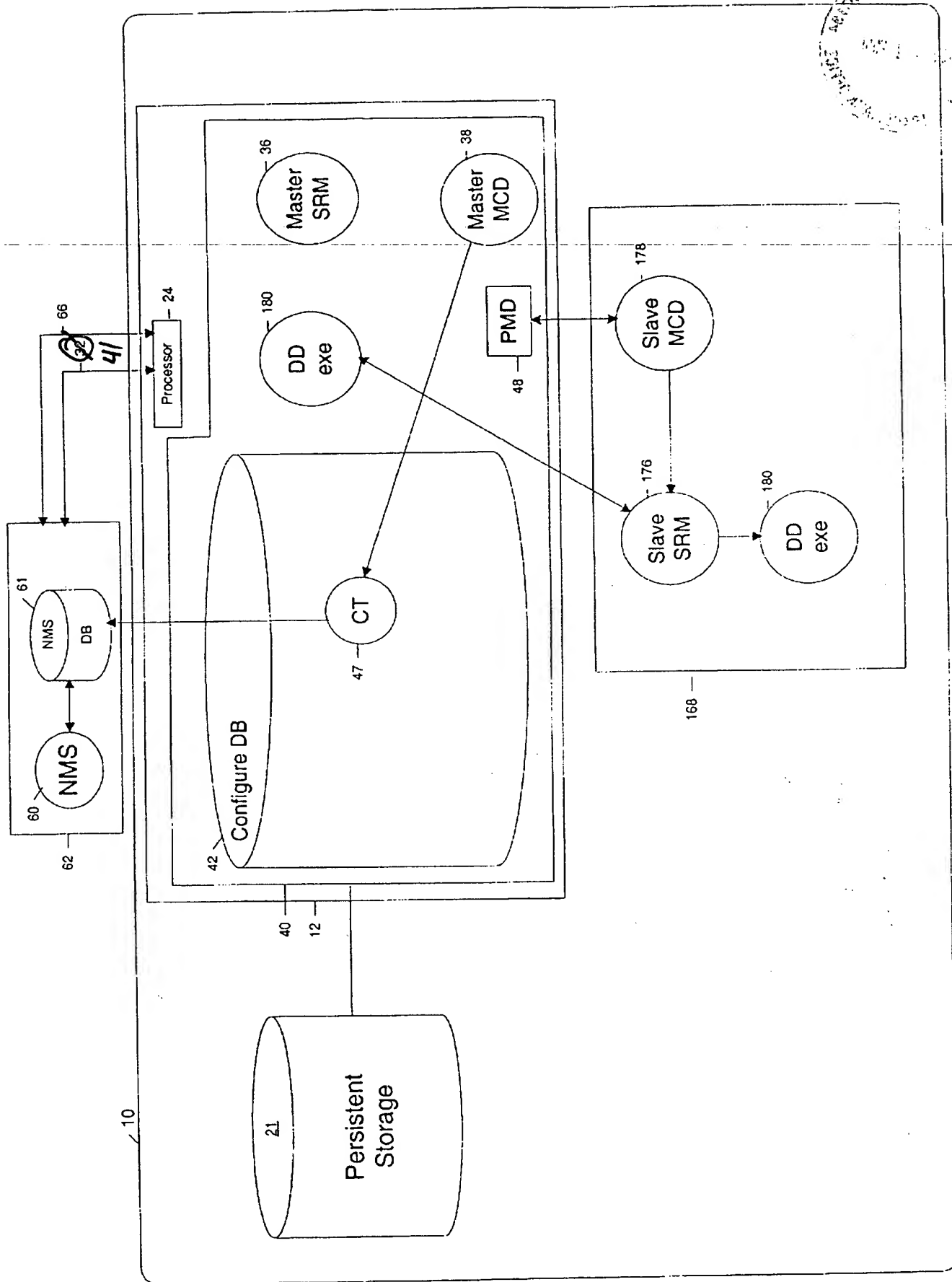
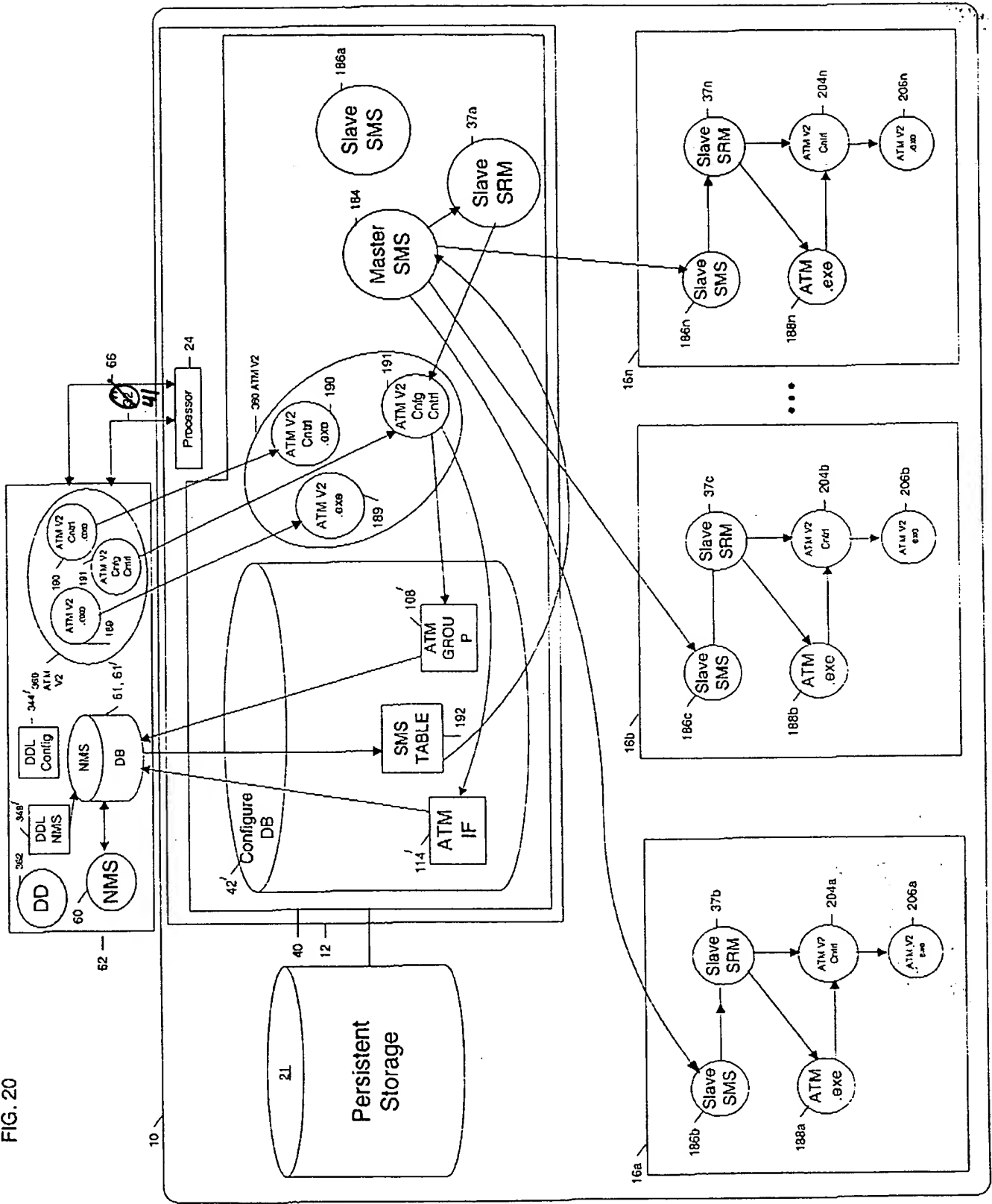


FIG. 19



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FIG. 20



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FIG. 23

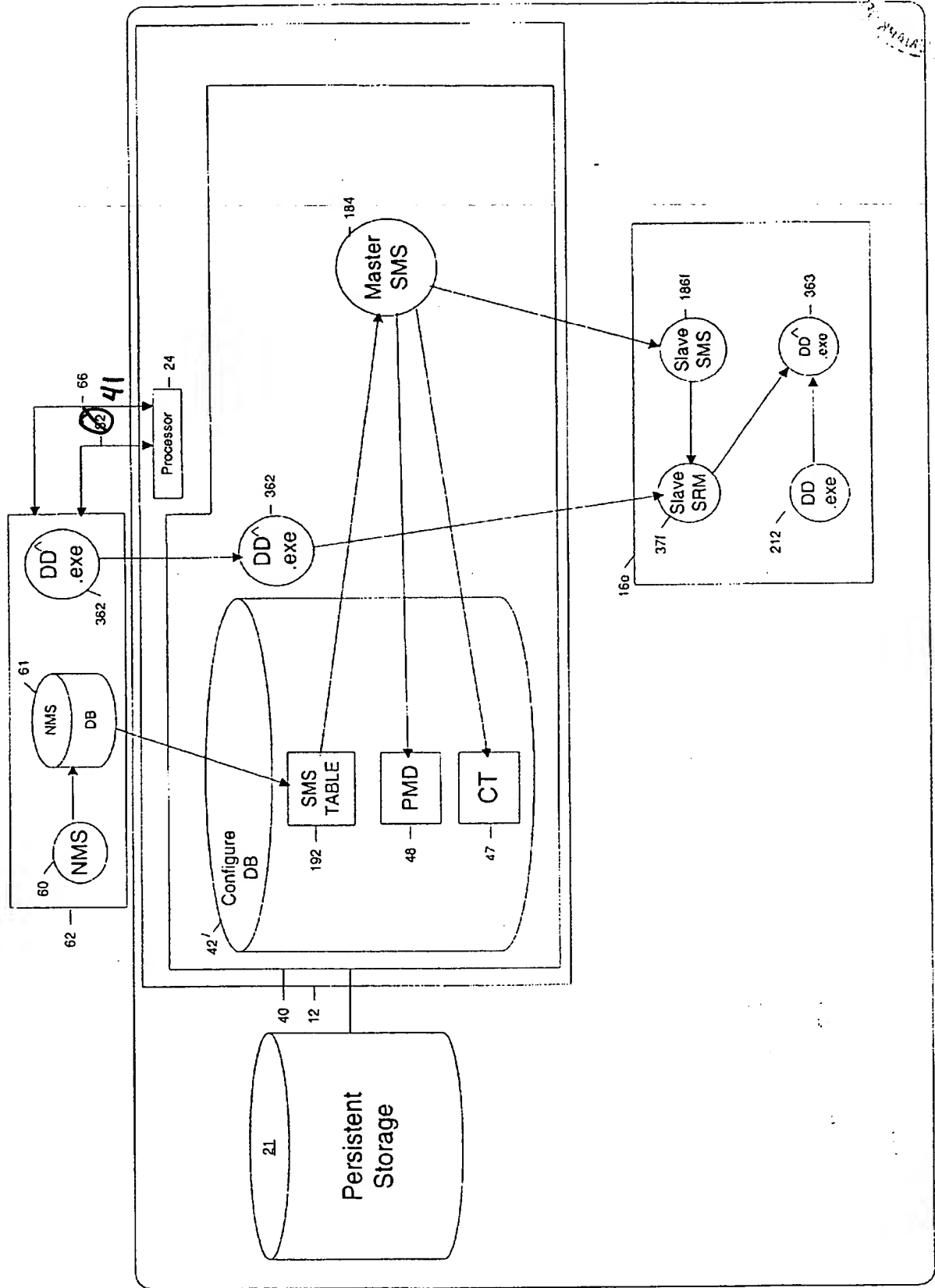
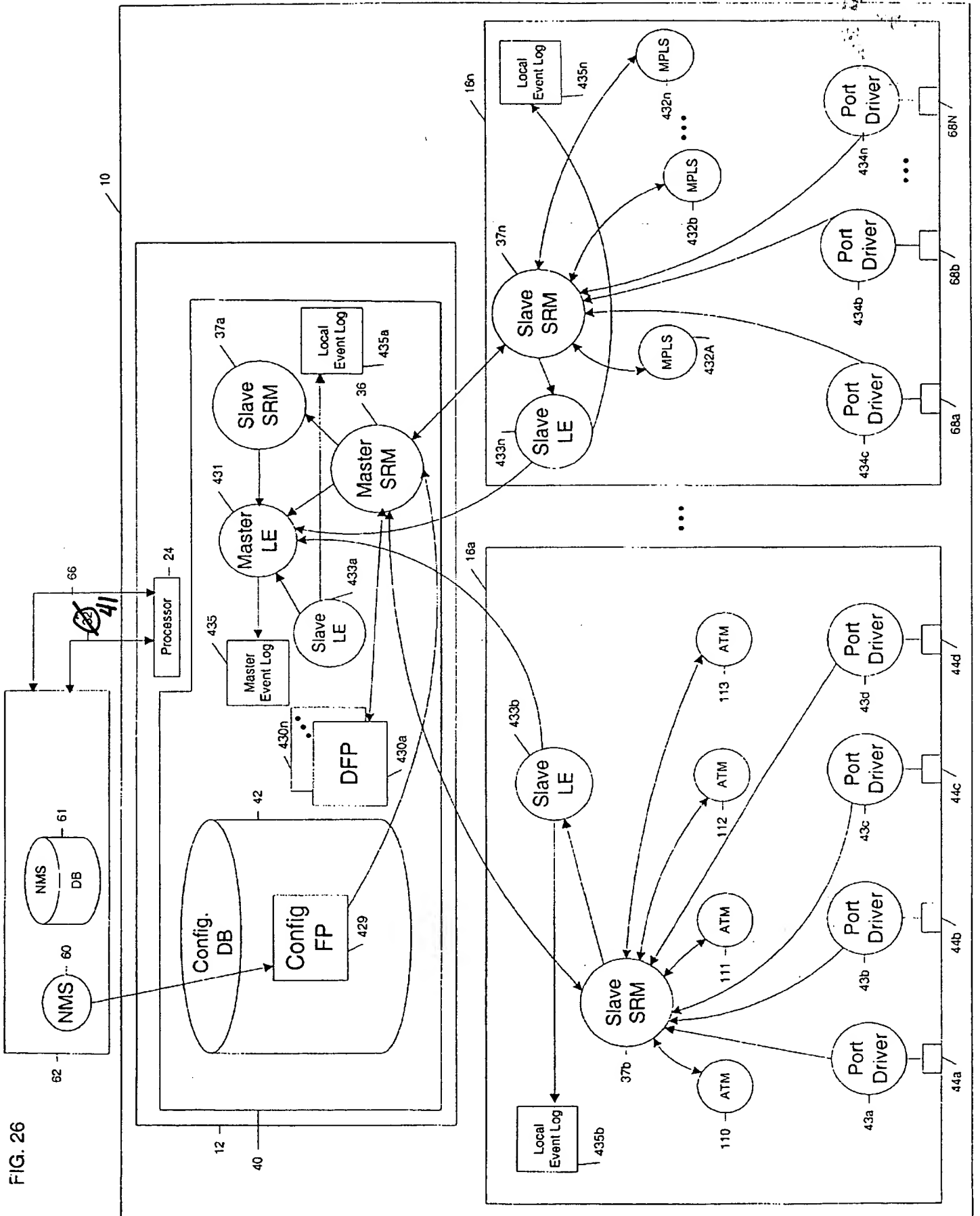


FIG. 26

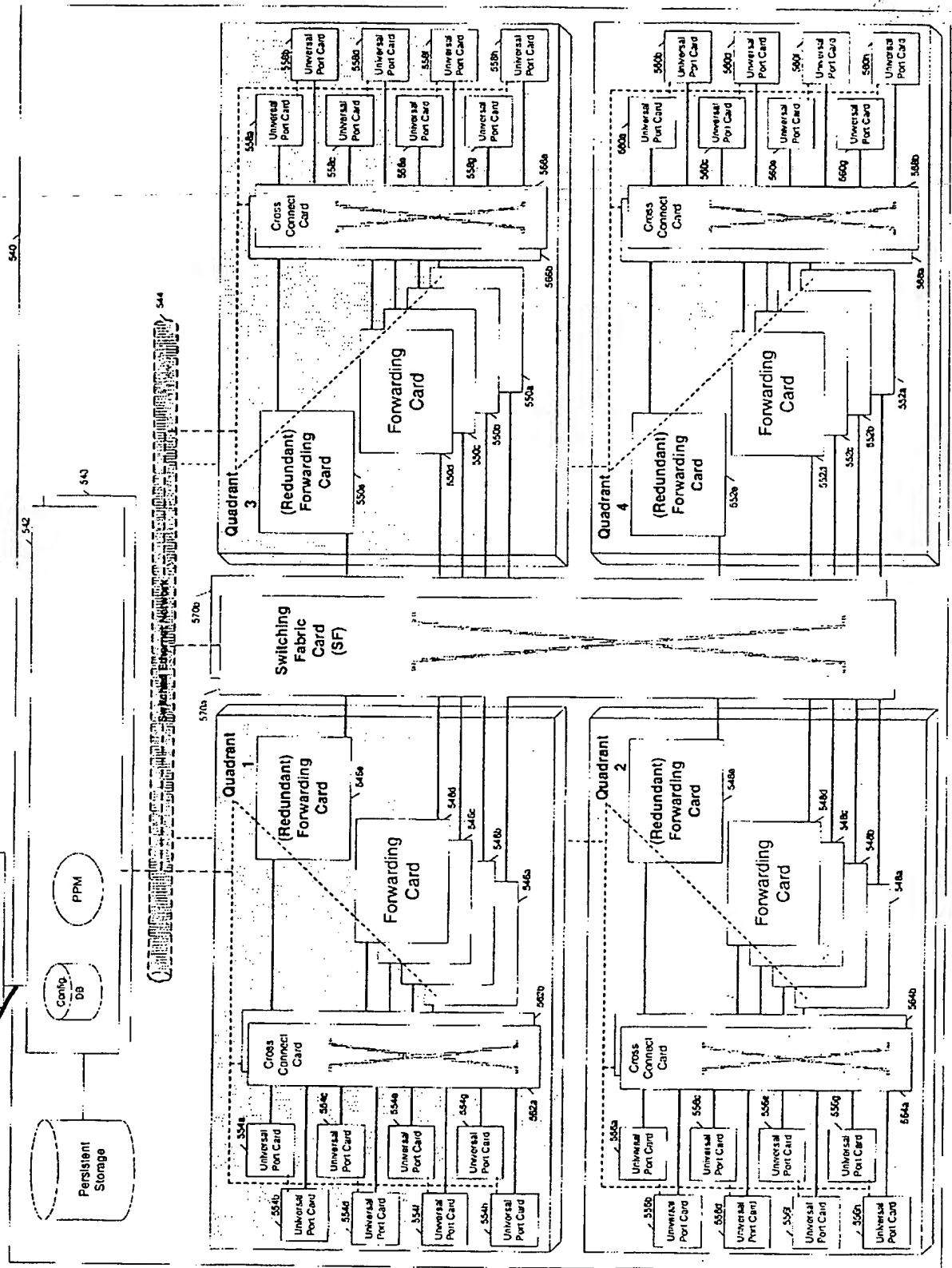


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41

NMS 60

62



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